

Space Weather Workshop

Millennium Hotel – Boulder, CO

April 8 - 11, 2014

Poster Abstracts

Posters may be on display from Tuesday morning through Thursday afternoon. We request that authors be in attendance at their posters during the poster session on the day indicated below.

Operational Space Weather Services and Analysis Tools (Tuesday)

Watari, Shinichi (National Institute of Information and Communications Technology)

Poster Number: O1

Poster – Renewal of NICT Reception System for Real-time Solar Wind Data

Du, Dan (CMA)

Poster Number: O2

Poster - Space Weather Services in CMA

Dziak-Jankowska, Beata (Space Research Centre PAS)

Poster Number: O3

Poster - Regional Warning Centre Warsaw report and future perspectives

Kalegaev, Vladimir (Moscow State University/Skobeltsyn Inst. of Nuclear Physics)

Poster Number: O4

Poster - Space Monitoring and Prediction Center at SINP MSU

Kelly, Andrew (Bureau of Meteorology, Australia)

Poster Number: O5

Poster - Lessons learnt from forecast verification at IPS

Tobiska, W. Kent (Space Environment Technologies)

Poster Number: O6

Poster - Operational specification and forecasting advances for Dst, LEO thermospheric densities, and aviation radiation dose and dose rate

Murphy, Joshua J. (University of Colorado, Boulder)

Poster Number: O7

Poster - GHOST: Conception to Science

Kuznetsova, Maria M. (NASA / Goddard Space Flight Center)

Poster Number: O8

Poster - Innovative Space Weather Tools for CME analysis, Modeling, and Community Model Validation at CCMC/SWRC

Wiegand, Chiu (NASA / Goddard Space Flight Center)

Poster Number: O9

Poster - Software Tools for Space Weather research, forecast, and anomaly analysis
Presented by: Zheng, Yihua

Magnetosphere Research and Applications (Tuesday)

Gannon, Jennifer (Geosynergy, LLC)
Poster Number: M1
Poster - Geosynergy Hazard Analysis

Zanetti, Lawrence (Johns Hopkins University)
Poster Number: M2
Poster - Geomagnetic Disturbances - Electric Power Grid

Nair, Manoj C. (CIRES)
Poster Number: M3
Poster - Predicting ground electric field due to geomagnetic disturbances

Love, Jeffrey J (USGS Golden)
Poster Number: M4
Poster - Time-causal operational estimation of electric fields induced in the Earth's lithosphere during magnetic storms

Lotz, Stefan (SANSa)
Poster Number: M5
Poster - Predicting geomagnetic field variations for GIC modelling at a mid-latitude station

Luo, Bingxian (National Space Science Center, CAS)
Poster Number: M6
Poster - The AU/AL/AE prediction models

Penrod, James (University of Colorado, Boulder)
Poster Number: M7
Poster - Database Comparison to Extend the Usefulness of DMSP Derived Electric Field Data

Kilcommons, Liam M (University of Colorado, Boulder)
Poster Number: M8
Poster - Multi-Instrument Near-Simultaneous Vector Magnetometer Measurements And Response To Solar Wind Drivers: Space Technology 5 and DMSP

Lee, Jaejin (Korea Astronomy and Space Science Institute)
Poster Number: M9
Poster - Radiation Belt Storm Monitoring System Developed by KASI

Nagatsuma, Tsutomu (National Institute of Information and Communications Technology)
Poster Number: M10
Poster - Evaluation of Relativistic Electron Flux Forecast at GEO Satellite

Huston, Stuart (AER, Inc.)
Poster Number: M11
Poster - Near-Real-Time Low-Altitude Radiation Belt Specification

Willis, Emily (Marshall Space Flight Center)

Poster Number: M12

Poster - CubeSat Susceptibility to Auroral Space Weather Events

Parker, Linda (Jacobs Technology)

Poster Number: M13

Poster - MSFC/EV44 Natural Environment Capabilities

Solar and Interplanetary Research and Applications (Wednesday)

Adams, James (University of Alabama, Huntsville)

Poster Number: S1

Poster - A Mission Planning Tool for Solar Energetic Particle Radiation

Winter, Lisa M (AER)

Poster Number: S2

Poster - Correlating Type II and III Radio Bursts with Solar Energetic Particle Events

Sandberg, Ingmar (National Observatory of Athens)

Poster Number: S3

Poster - Intercalibration of Solar Protons Flux measurements: IMP8, NOAA/GOES and ESA SREM

Podzolko, Mikhail (Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University (SINP MSU))

Poster Number: S4

Poster - Problems of reliability of the data on SEP measurements at different stages of data analysis and physical modeling

Ji, Eun-Young (Kyung Hee University)

Poster Number: S5

Poster - Forecast of solar proton flux profiles for well-connected events

Kozarev, Kamen A. (Harvard-Smithsonian Center for Astrophysics)

Poster Number: S6

Poster - Towards Obtaining Early-Stage SEP Spectra from High-Cadence EUV Coronal Shock Imaging

Engell, Alec (Flare Forecast)

Poster Number: S7

Poster - A comprehensive approach to reliable solar flare and solar energetic particle forecasting with results

Leka, KD (NWRA)

Poster Number: S8

Poster - Forecasting Solar Flares: Recent Results from a NOAA/SBIR Phase-I Study

Yu, Hsiu-Shan (University of California at San Diego)

Poster Number: S9

Poster - The 3D Reconstruction of the IPS Remote-Sensing Data: Global Solar Wind Boundaries for Driving 3D-MHD Models

Bisi, Mario Mark (Science and Technology Facilities Council)

Poster Number: S10

Poster - Using Remote-Sensing Radio Observations of the Inner Heliosphere for Space Weather Science and Operations

Jackson, Bernard V. (University of California at San Diego)

Poster Number: S11

Poster - ASHI – A light-weight All Sky Heliospheric Imager Design for the DISCOVER follow-on

Berger, Thomas (National Solar Observatory)

Poster Number: S12

Poster - The Daniel K. Inouye Solar Telescope: a Space Weather Microscope

Kubo, Yuki (National Institute of Information and Communications Technology)

Poster Number: S13

Poster - Development of new solar radio telescope in NICT

Krista, Larisza D. (NOAA/SWPC)

Poster Number: S14

Poster - Study of the recurring dimming region detected at AR 11305 using the Coronal Dimming Tracker (CoDiT)

Hong, Sunhak (Korean Space Weather Center)

Poster Number: S15

Poster - Sunspot Identification and Classification Capability of the Automatic Solar Synoptic Analyzer

Park, Sarah (Korean Space Weather Center)

Poster Number: S16

Poster - Compare the CME arrival time and the predicted time on a basis of Typell solar radio bursts

Presented by: Hong, Sunhak

Cash, Michele (NOAA Space Weather Prediction Center)

Poster Number: S17

Poster - Ensemble Modeling of the July 23, 2012 CME Event

Mays, M. Leila (NASA / Goddard Space Flight Center)

Poster Number: S18

Poster - Real-time Ensemble Forecasting of Coronal Mass Ejections using the WSA-ENLIL+Cone Model

Presented by: Zheng, Yihua

Gopalswamy, Nat (NASA / Goddard Space Flight Center)

Poster Number: S19

Poster - The Empirical Shock Arrival Model: Testing with STEREO and SOHO Data

Ionosphere/Thermosphere Research and Applications (Thursday)

Phillips, Tony (Spaceweather.com)

Poster Number: I1

Poster – Space Weather Ballooning

Behlke, Rico (Polar Science and Guiding)

Poster Number: I2

Poster - Maritime user requirements at high latitudes - the MARENOR project

Azeem, Irfan (Atmospheric & Space Technology Research Associates)

Poster Number: I3

Poster - OSSE Experiments to Determine the Value of Various Observing Systems for Ionosphere-Thermosphere Specification

McGranaghan, Ryan M. (University of Colorado, Boulder)

Poster Number: I4

Poster - Forecasting the Impact of Equinoctial High-Speed Stream Structures on Thermospheric Responses

Shim, Ja Soon (CUA/NASA GSFC)

Poster Number: I5

Poster - Sensitivity of Ionosphere/Thermosphere to high-latitude drivers

Murray, Sophie A. (Met Office)

Poster Number: I6

Poster - Assessing the performance of thermospheric modelling with data assimilation: results of the ATMOP project

Kalafatoglu Eyiguler, Emine Ceren (ITU/ NASA-GSFC)

Poster Number: I7

Poster - Quantifying Storm Effects on the Thermospheric Neutral Density Using Orbital Averages on Champ Satellite Track

Straus, Paul (The Aerospace Corporation)

Poster Number: I8

Poster – COSMIC-2: A Platform for Advanced Ionospheric Observations

Budzien, Scott (Navel Research Laboratory)

Poster Number: I9

Poster – GROUP-C and LITES Experiments for Ionospheric Remote Sensing aboard the ISS

Nicholas, Andrew C. (Naval Research Laboratory)

Poster Number: I10

Poster - WINCS/SWATS Initial On-Orbit Performance Results

Pilinski, Marcin (ASTRA)

Poster Number: I11

Poster - From DICE to DIME: An Evolution of CubeSat Based E-field Instrumentation

Lin, Chi-Yen (CIRES-CU, NOAA-SWPC)

Poster Number: I12

Poster - Ionospheric Assimilation of Radio Occultation and Ground-based GPS data using Non-stationary Background Model Error Covariance

Sun, Yang-Yi (CIRES-CU, NOAA-SWPC)

Poster Number: I13

Poster - Assimilative Neutral Wind Bias Correction Scheme for Global Ionospheric Modeling at Midlatitude

Wang, Houjun (NOAA SWPC)

Poster Number: I14

Poster - First forecast of a sudden stratospheric warming with a coupled whole-atmosphere/ionosphere model IDEA

Presented by: Akmaev, Rashid

Berdermann, Jens (German Aerospace Center)

Poster Number: I15

Poster - Forecast System Ionosphere

Dziak-Jankowska, Beata (Space Research Centre PAS)

Poster Number: I16

Poster - The possibility of forecasting sporadic E layer appearance

Fontenla, John (NorthWest Research Associates)

Poster Number: I17

Poster - Solar EUV Radiation Forecast System

Viereck, Rodney (NOAA SWPC)

Poster Number: I18

Poster – GOES Solar EUV Spectral Irradiance Observations and EUV Proxy Model

De Nardin, Clezio M. (INPE)

Poster Number: I19

Poster - Space weather products from the user requests to the development of regional magnetic indices and GNSS vertical error maps

Crowley, Geoff (Atmospheric & Space Technology Research Associates (ASTRA))

Poster Number: I20

Poster - Traveling Ionospheric Disturbances Across North America from GPS TEC Measurements

Thompson, Gerald (Atmospheric & Space Technology Research Associates, LLC)

Poster Number: I21

Poster - GPS-Aided Space Weather Monitoring

